

Production of Fibre Glass, Optical Glass and Reinforced Plastics (Fibre Glass Blown Wool)

Description:

Production of Fibre Glass, Optical Glass and Reinforced Plastics (Fibre Glass Blown Wool or Insulation Products, Pyrolyzed and Graphitized Plastics, Mandrels, Whiskers, Fibres, Plastic-Ceramic Armor, Aircraft, Tanks, Optical Fibre, Nitric Acid, Solvents, Vinyl Acetate, Acrylonitrile)

Fibre Glass

Fiberglass (or fibreglass) is a type of fiber-reinforced plastic where the reinforcement fiber is specifically glass fiber. The glass fiber may be randomly arranged, flattened into a sheet (called a chopped strand mat), or woven into a fabric. The plastic matrix may be a thermoset polymer matrix—most often based on thermosetting polymers such as epoxy, polyester resin, or vinylester—or a thermoplastic. Fiberglass is unique in its strength and yet it is lightweight.

Reinforced plastics are a recent class of composite materials in which the low modulus and temperature limitations of plastic is overcome by reinforcing it with fibres of high modulus.

Reinforced Plastics

Reinforced plastics find extensive use in many fields, such as automobiles and corrosion-resistant equipment like fibre-reinforced plastic (FRP) tanks, vessels, etc.

For more details download PDF file

Keywords: Fibre Production from Ceramic Crucibles, Production of Fibre Optic Elements, How Optical Fiber is Made, Making Optical Fibers, Optical Fibre Manufacture, Optical Fiber Manufacturing, Manufacturing Optical Components, Optical Component Manufacturing, Optical Component Production, Optical Manufacturing Equipment, Fiber Optic Component and Equipment Manufacturing, Fibre Reinforced Plastic, Fiber Reinforced Plastic Manufacturing Process, Reinforced Plastic Industry, Reinforced Plastic Manufacturing

Created At: 20 Oct, 2017